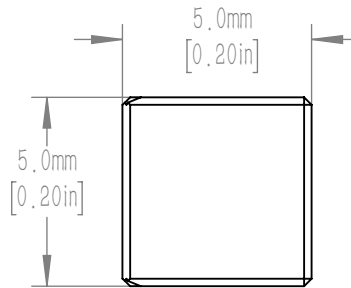
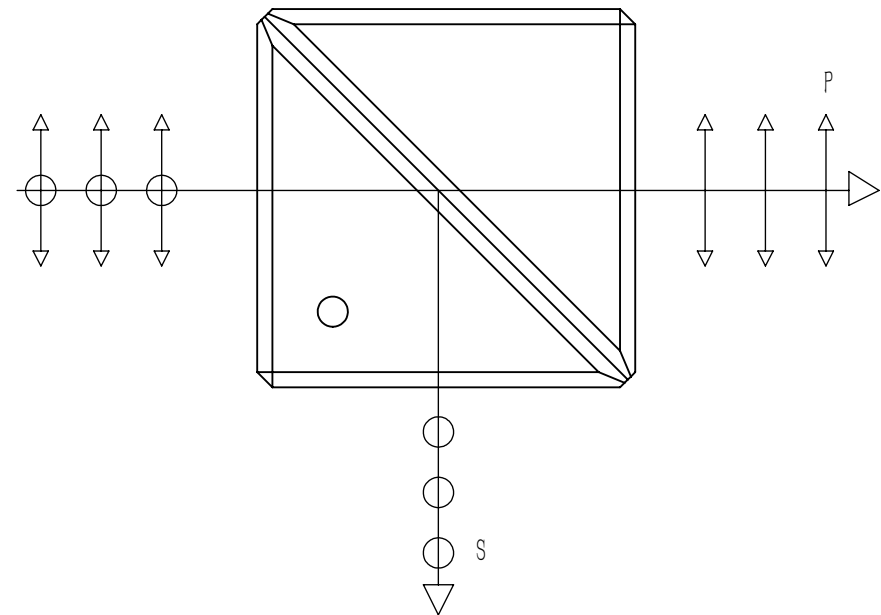


Make a pencil dot on prism with beamsplitter coating indicating recommended entrance faces



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 420–680 nm
2. CLEAR APERTURE: >3.50 mm X 3.50 mm
3. TRANSMITTED WAVEFRONT ERROR: $<\lambda/4$ OVER $\varnothing 3.50$ mm AT 633 nm
4. DIMENSIONAL TOLERANCE: +0.0/-0.2 mm
5. SURFACE QUALITY: 40–20 SCRATCH–DIG
6. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
7. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
8. OVERALL PERFORMANCE:
 - EXTINCTION RATIO: >1000:1
 - TRANSMISSION EFFICIENCY: $T_p > 90\%$
 - REFLECTION EFFICIENCY: $R_s \text{ avg} > 99.5\%$ (WITNESS SAMPLE)
9. COATING (ALL OUTER OPTICAL SURFACES): BBAR 420–680 nm, $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	5mm Polarizing Beamsplitter Cube 420-680nm			
DRAWN	CWD	2022/5/18	PBS005-420-680			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-SF1	0.0004kg	10:1	A